

## INTERNATIONAL SEARCH REPORT

 International Application No  
 PCT/JP2004/051945

 A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H01L23/498 H01L23/31 H01L23/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/153605 A1 (CHANG NAI-SHUNG) 24 October 2002 (2002-10-24)	1, 2, 6-10
Y	paragraphs '0006!, '0015!, '0027!; claim 5; figures 2, 3	3-5
X	WO 96/23320 A (INTEL CORPORATION) 1 August 1996 (1996-08-01)	1, 2, 6-10
Y	figures 1-3 and the corresponding description	3-5
Y	US 6 509 646 B1 (LIN WEI-FENG ET AL) 21 January 2003 (2003-01-21) the whole document	3
Y	US 2002/017399 A1 (CHANG HUEY-RU ET AL) 14 February 2002 (2002-02-14) paragraph '0064!	4, 5
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

15 March 2005

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23/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/142574 A1 (CHEN SHU-HUI ET AL) 3 October 2002 (2002-10-03) the whole document -----	1-10
A	US 2002/121679 A1 (BAZARJANI SEYFOLLAH ET AL) 5 September 2002 (2002-09-05) the whole document -----	1-10
A	US 6 448 639 B1 (MA SHU JUNG) 10 September 2002 (2002-09-10) the whole document -----	1-10

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